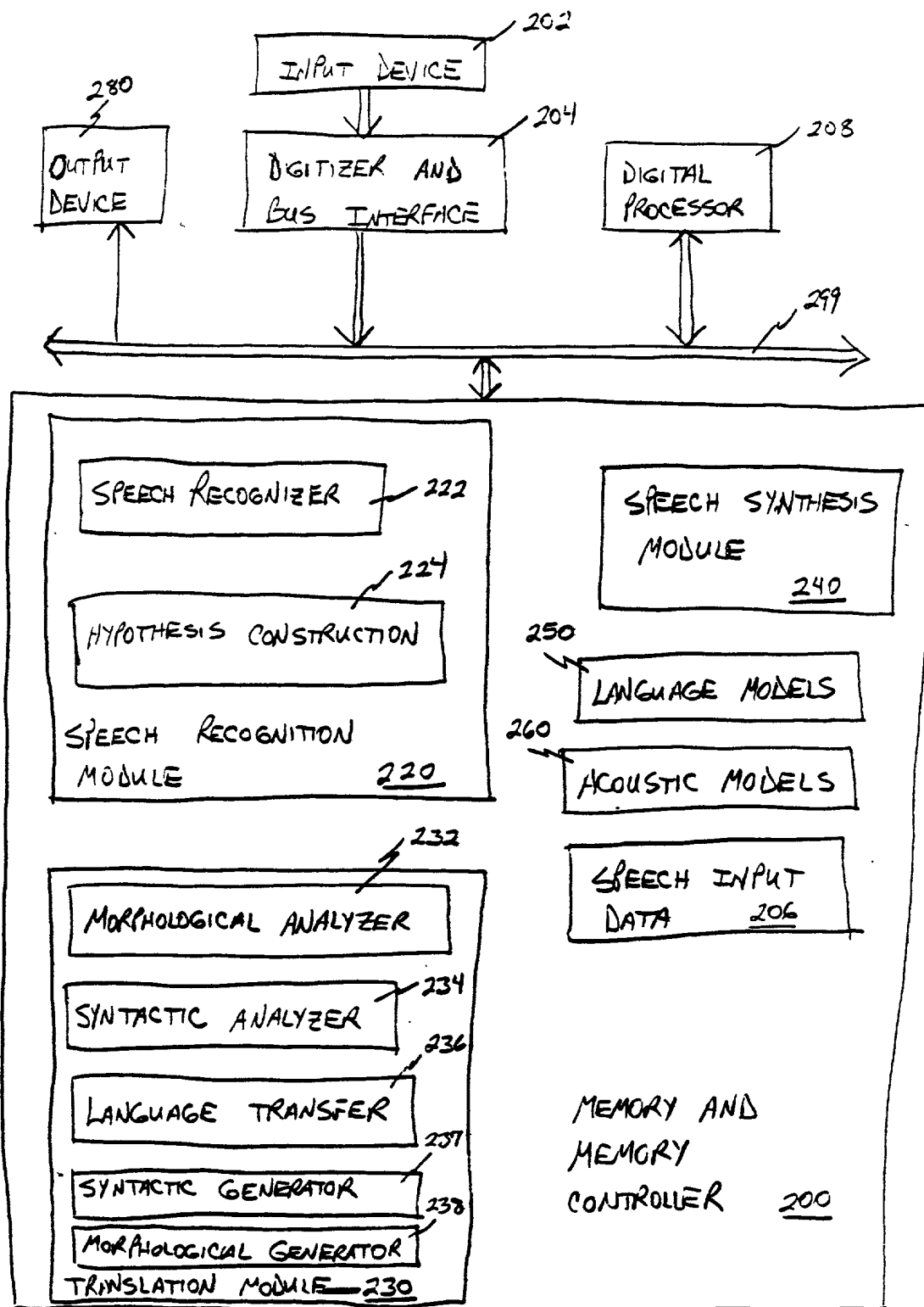


Figure 1



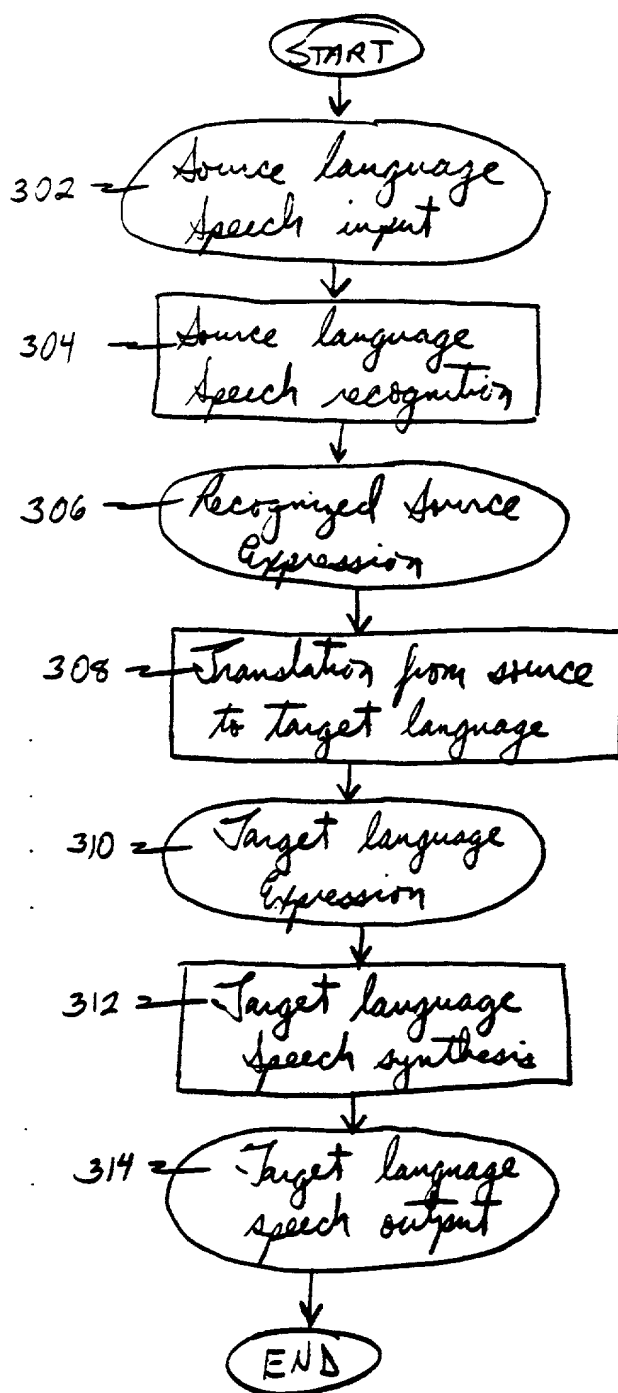


FIGURE 3

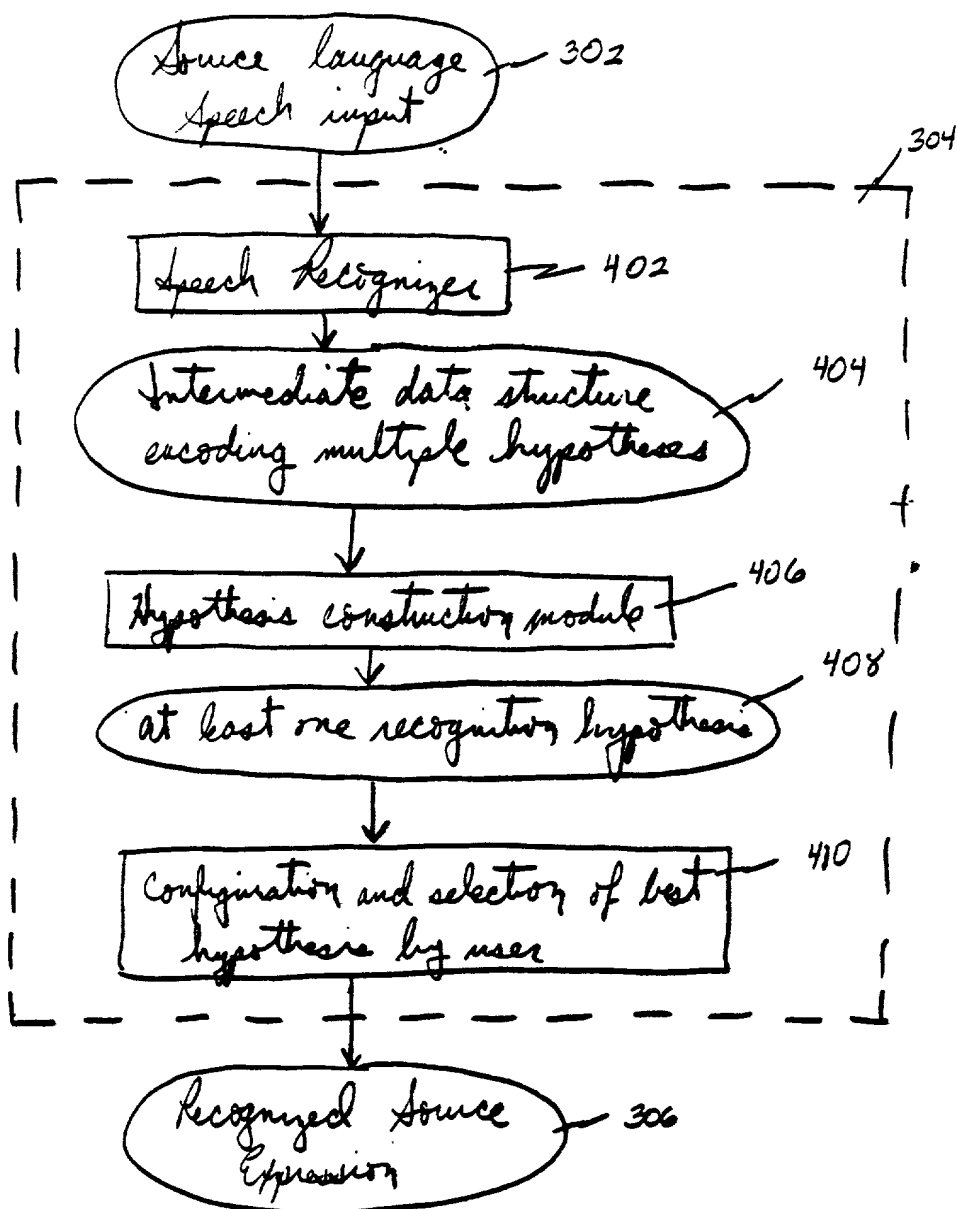
[illegible]

FIGURE 4

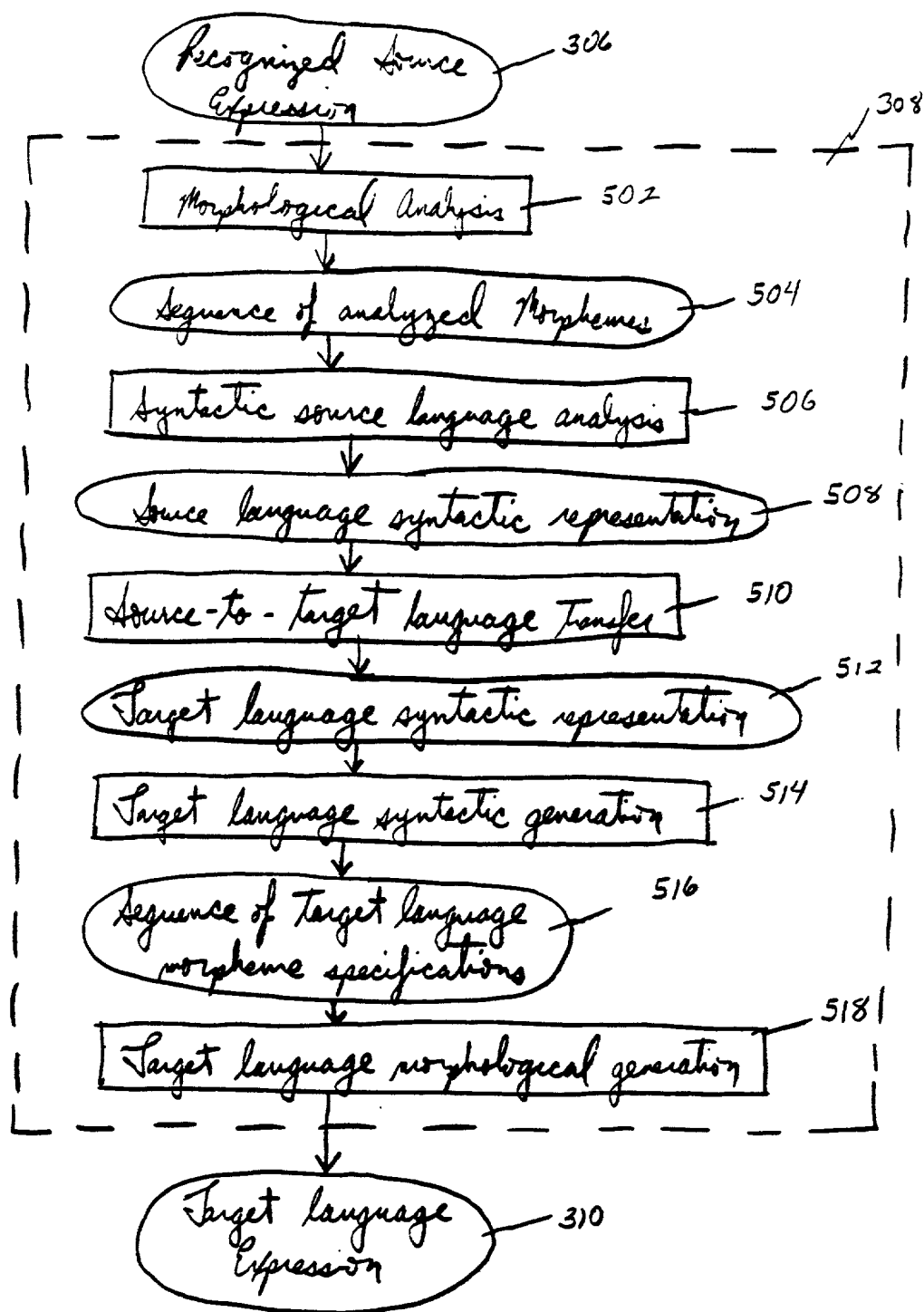


FIGURE 5

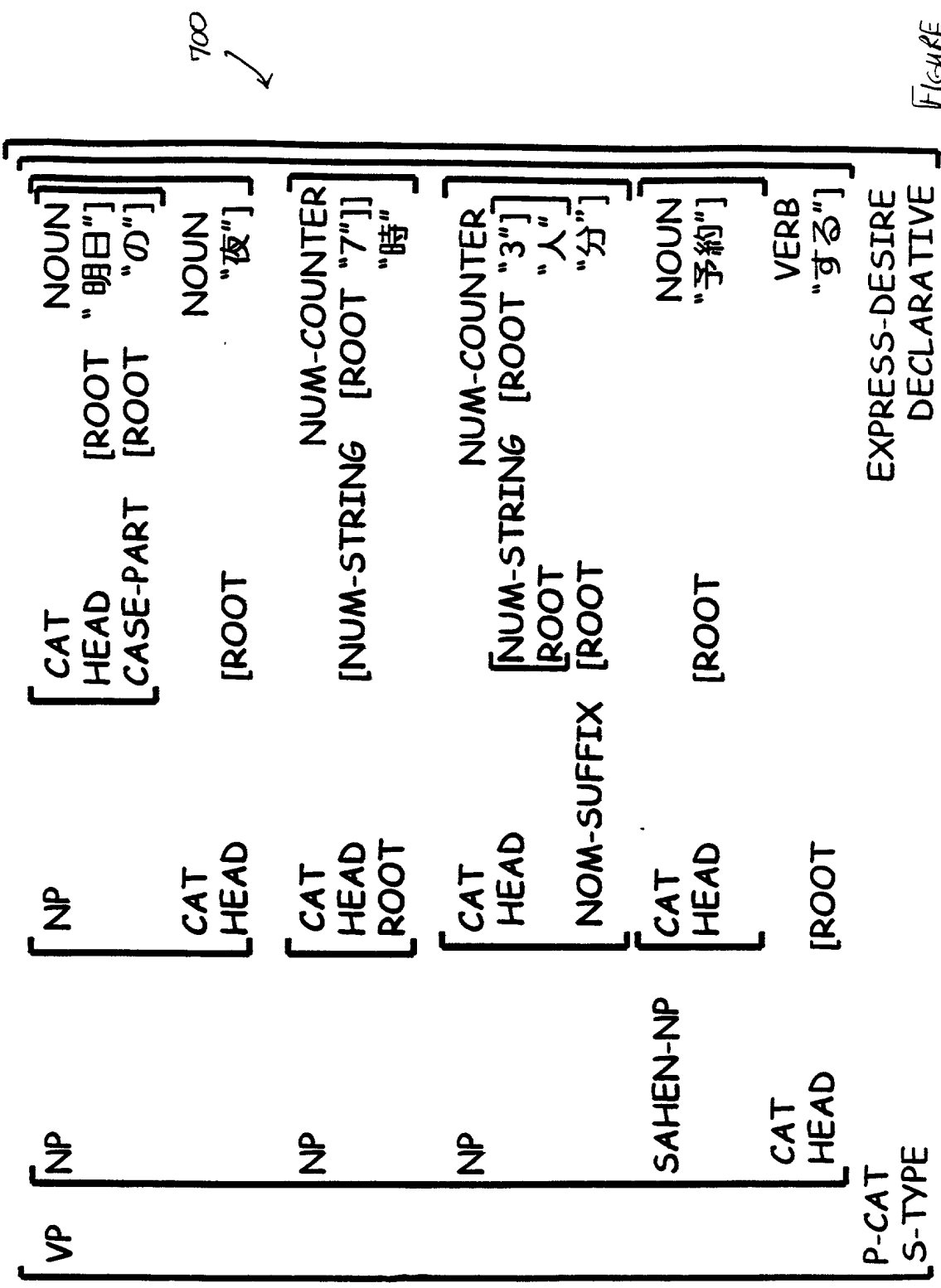


Figure 7

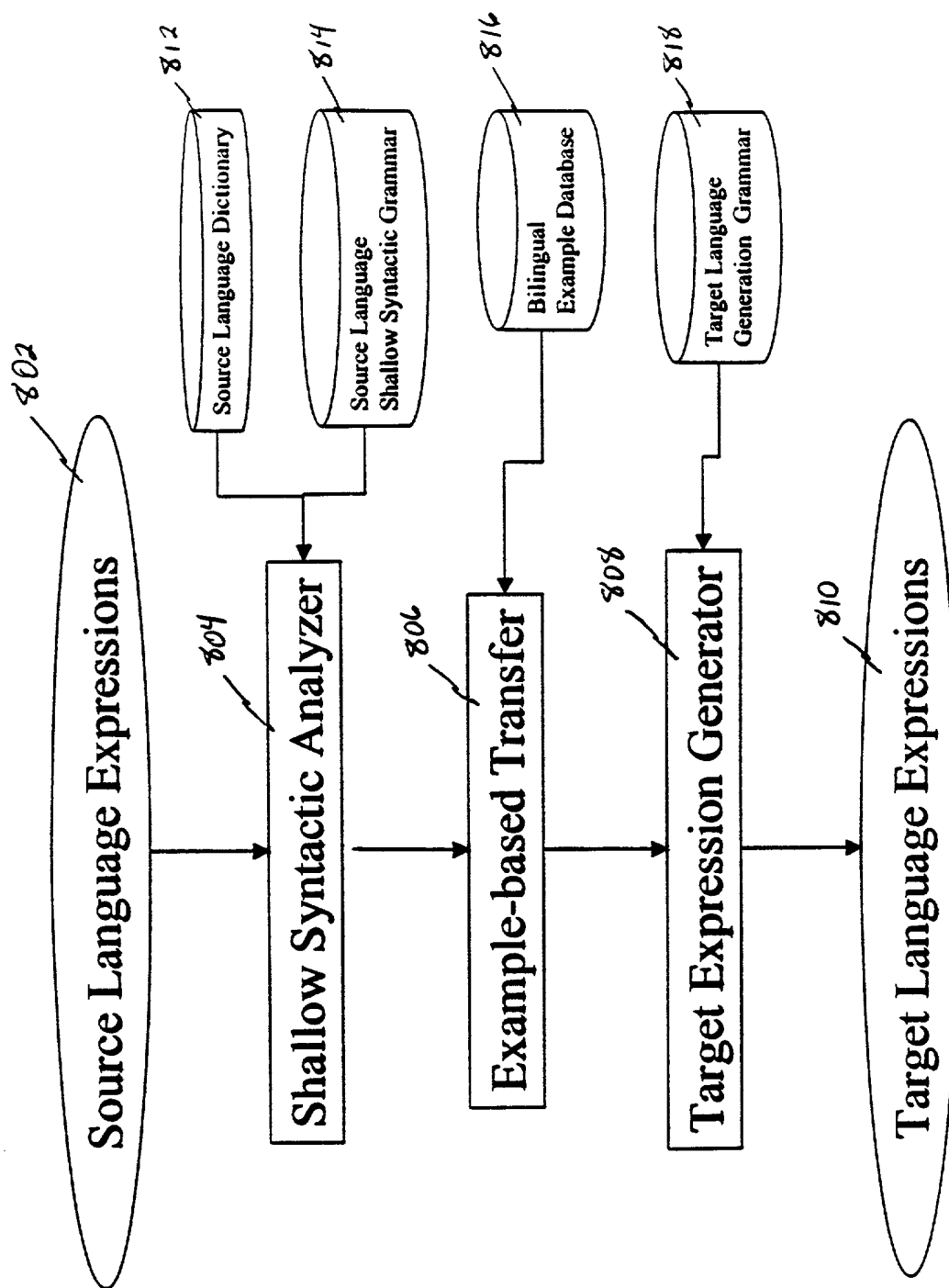


FIGURE 8

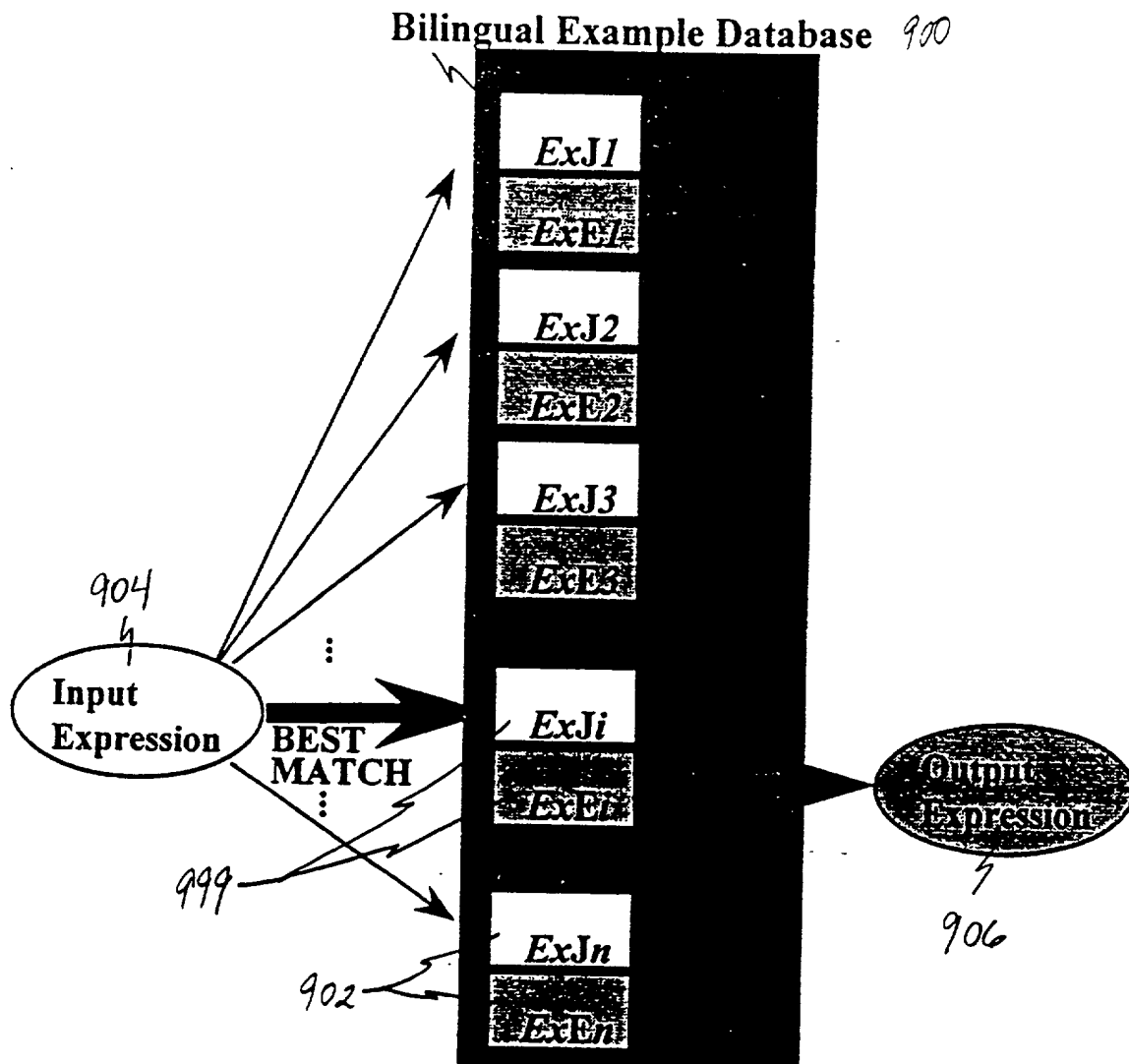


FIGURE 9

1000

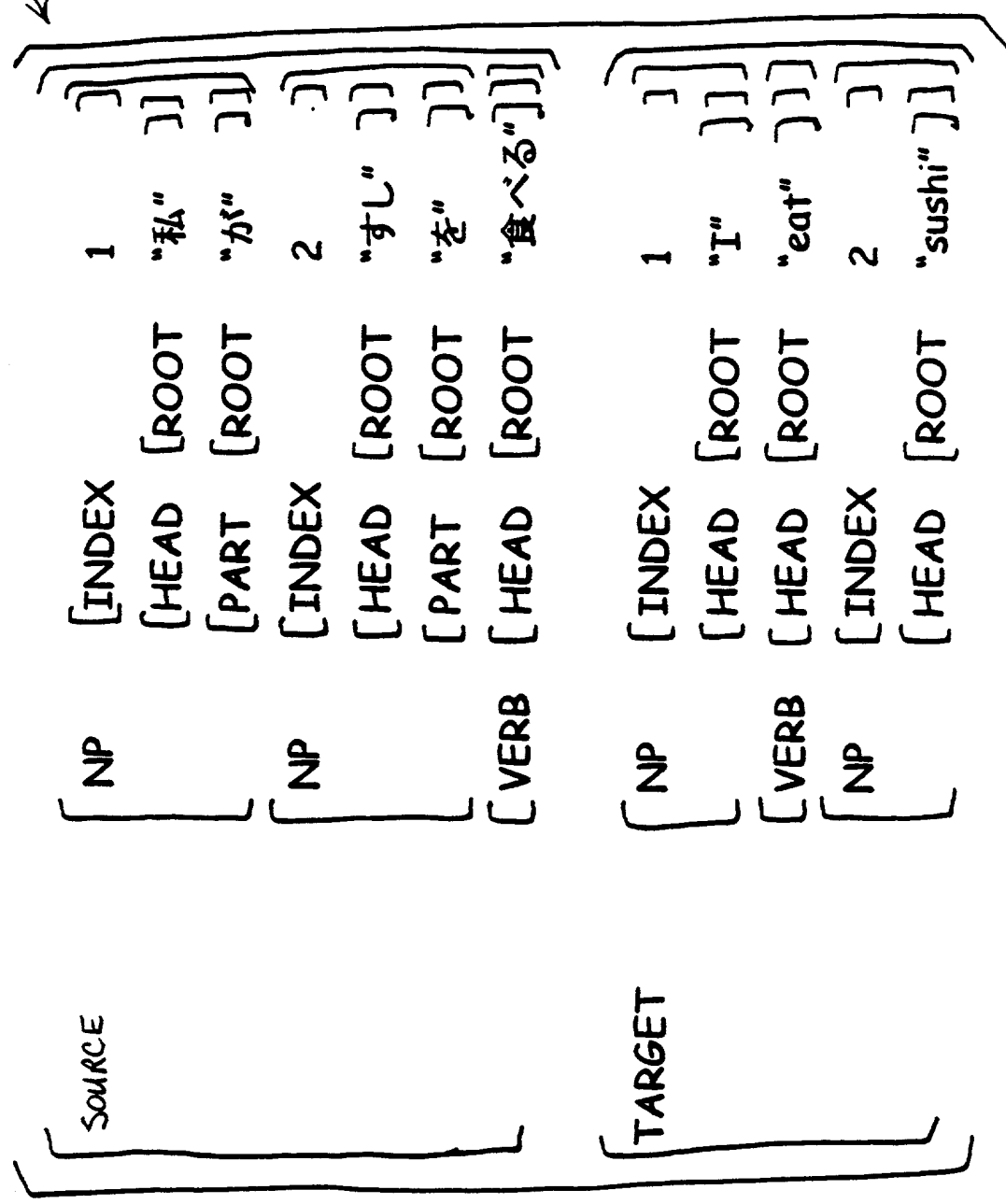


Figure 10

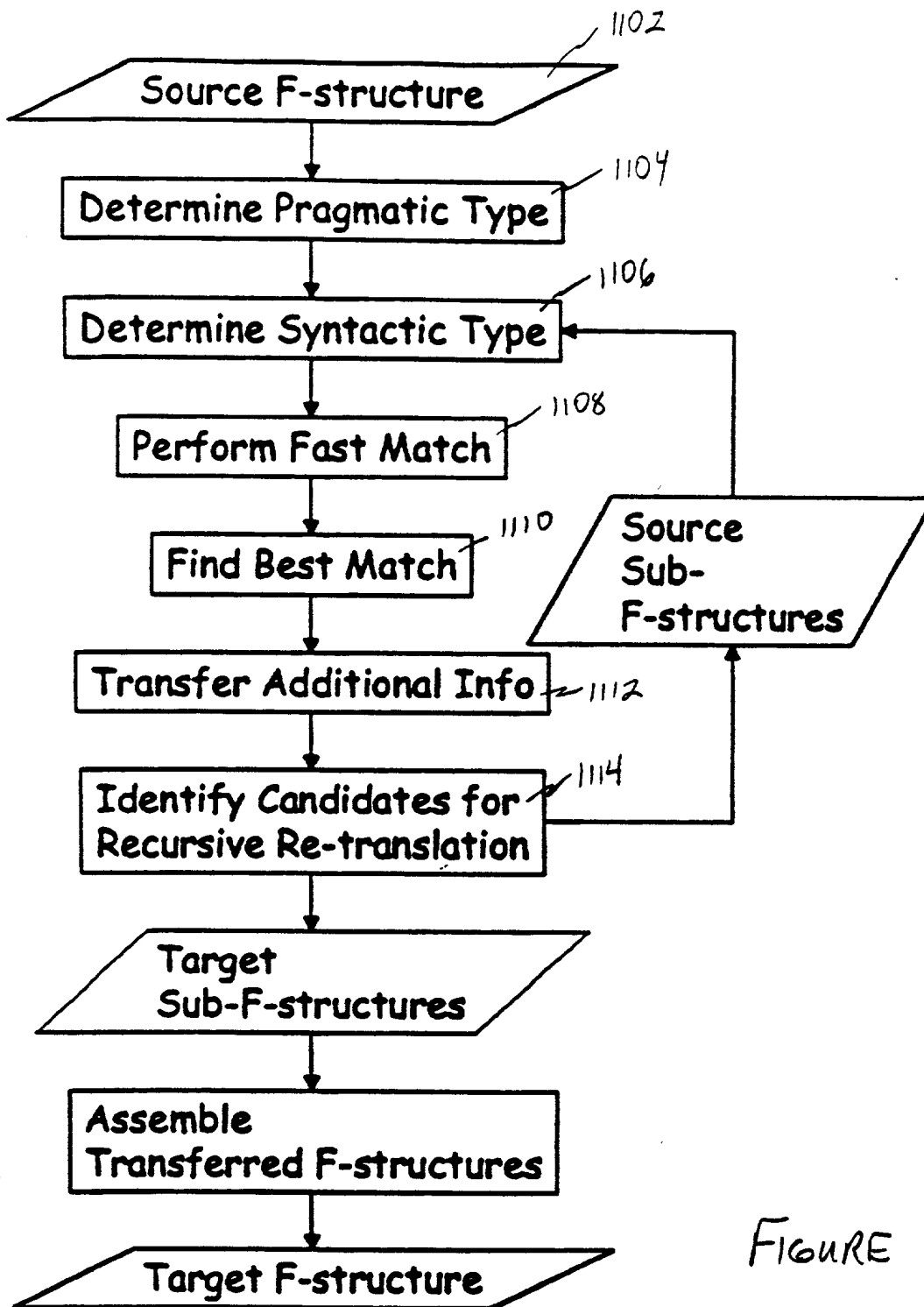


FIGURE 11

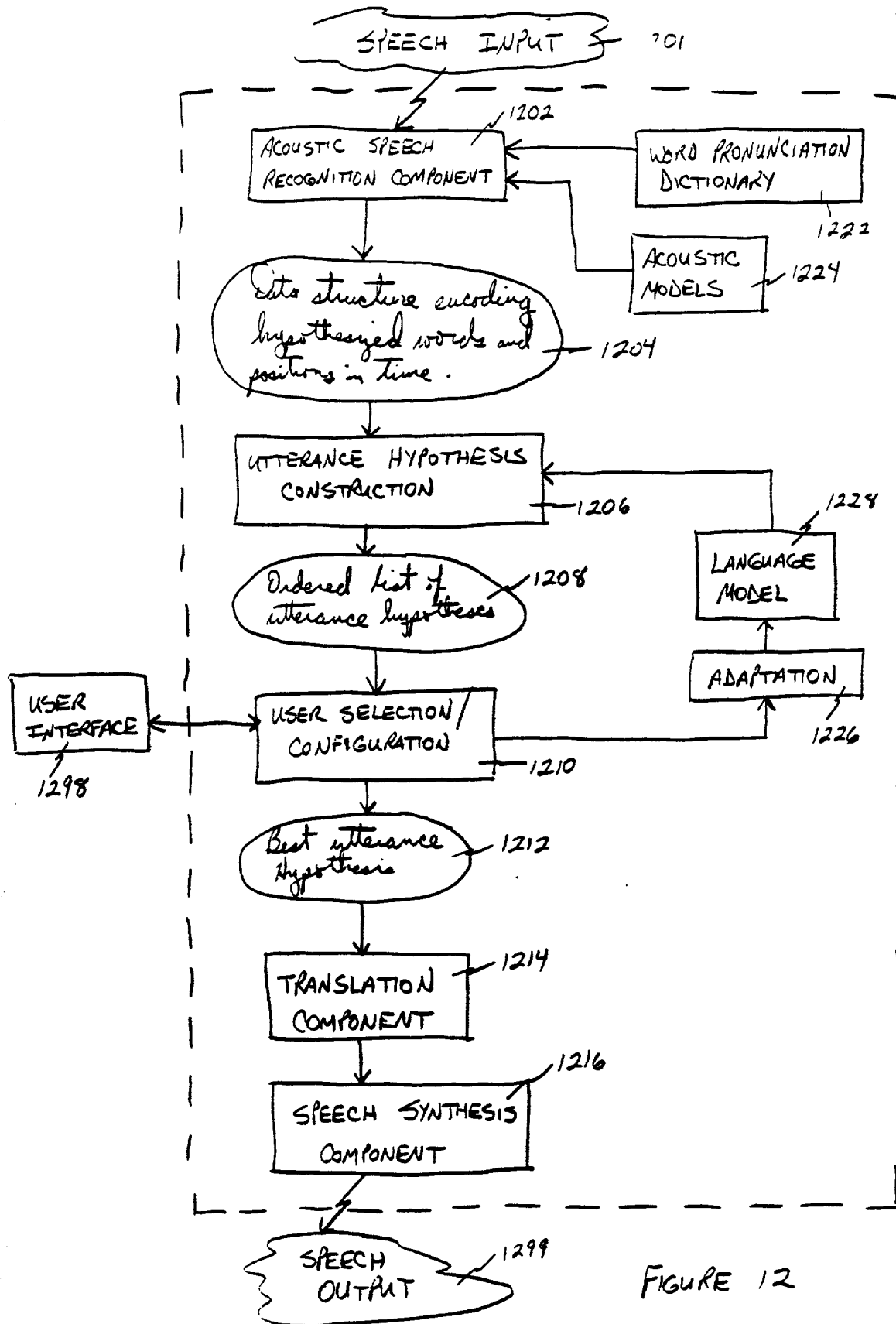


FIGURE 12

Figure 13

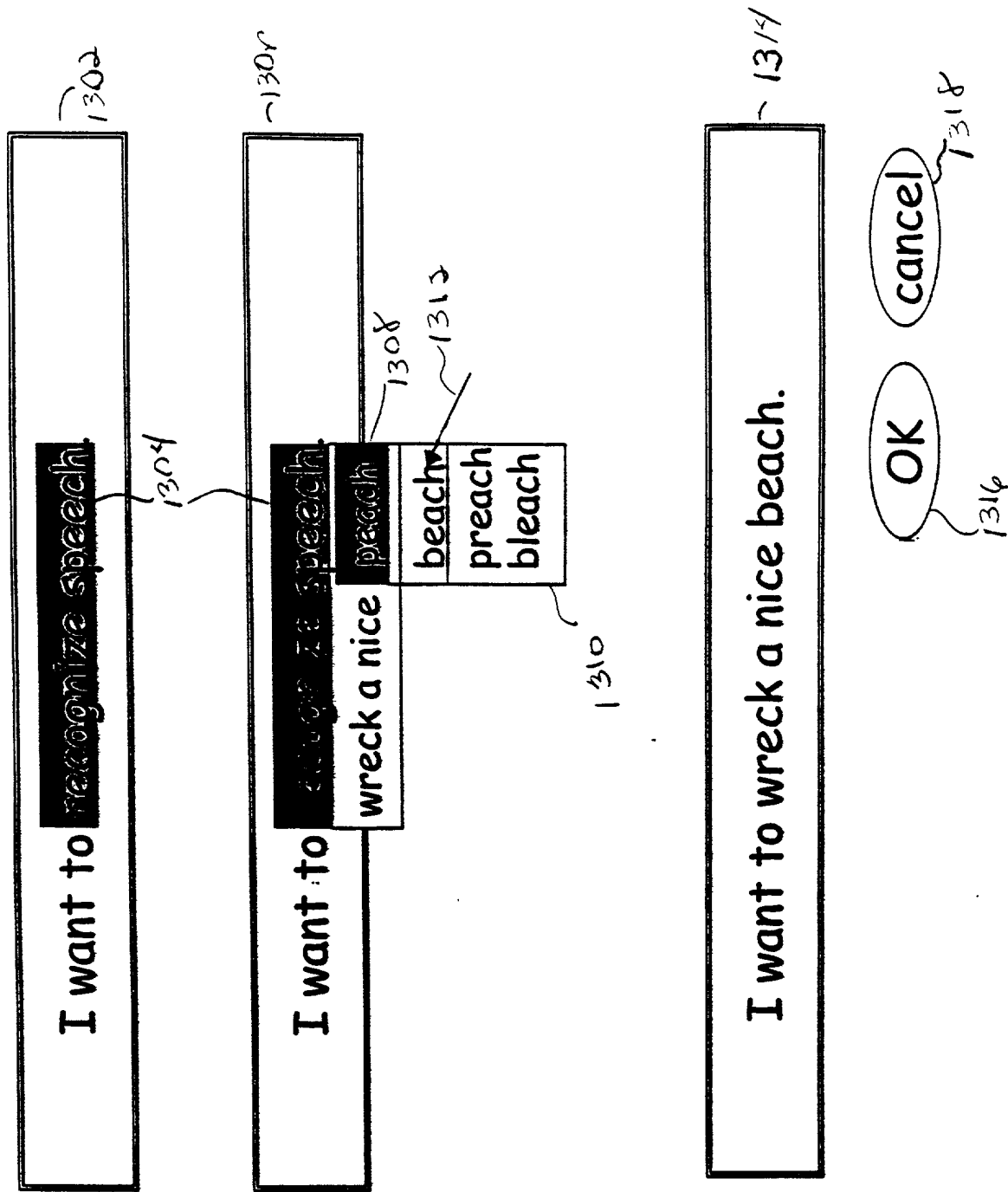


Figure 14

I want to recognize speech. {1401
私は音声を認識したい

I want to wreck a nice peach. {1401
私は素敵な桃を破壊したい

I want to wreck a nice beach. {1401
私は素敵なビーチを破壊したい

I want to wreck a nice beach. {1414
私は素敵なビーチを破壊したい

OK {1414

cancel {1418

Figure 15

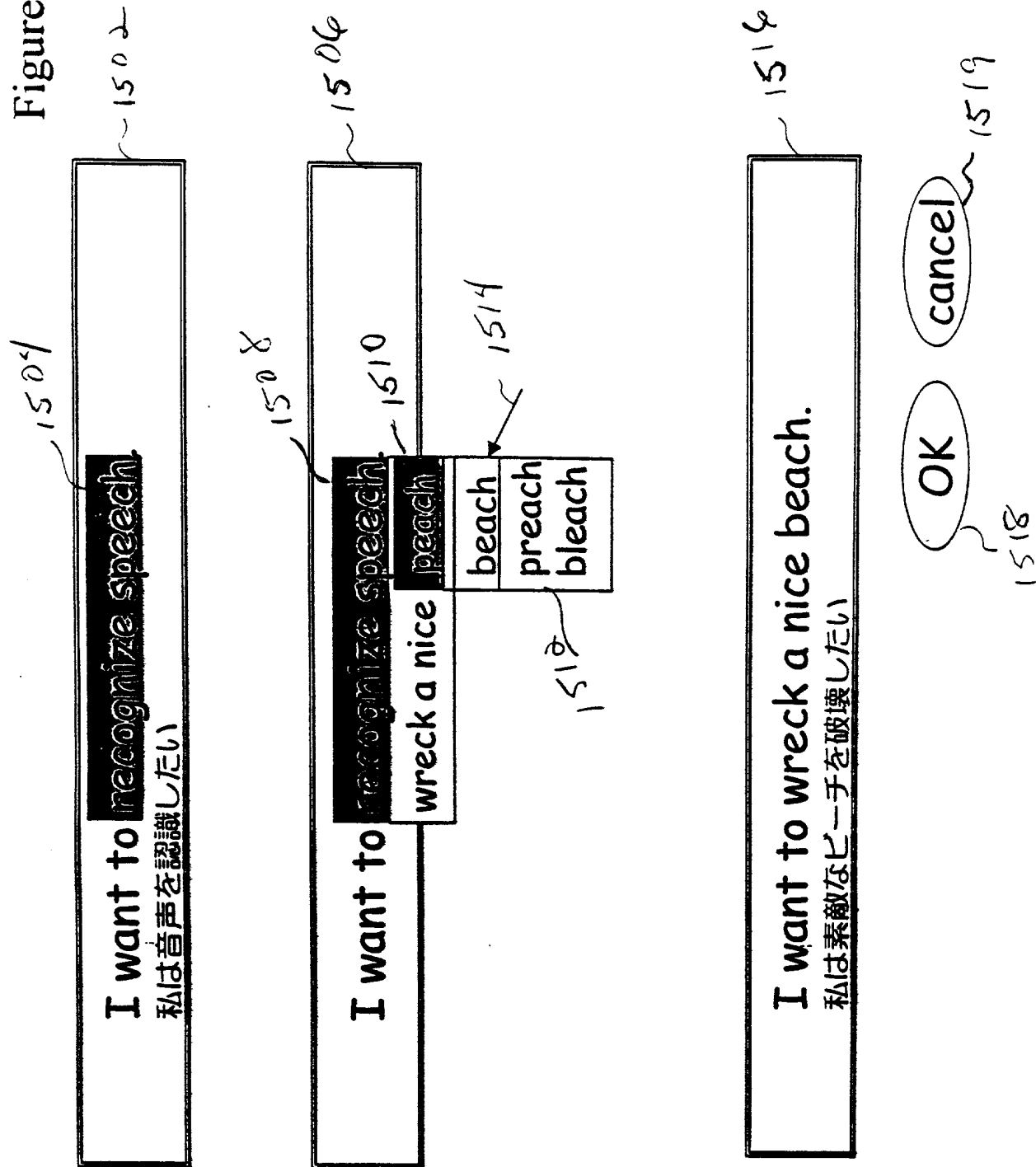


Figure 16

I want to recognize speech.
私は音声を認識したい
"I would like to understand speech"

I want to wreck a nice peach.
私は素敵な桃を破壊したい
"I would like to destroy a good peach"

I want to wreck a nice beach.
私は素敵なビーチを破壊したい
"I would like to destroy a good beach"

1602
1604
1606
1608

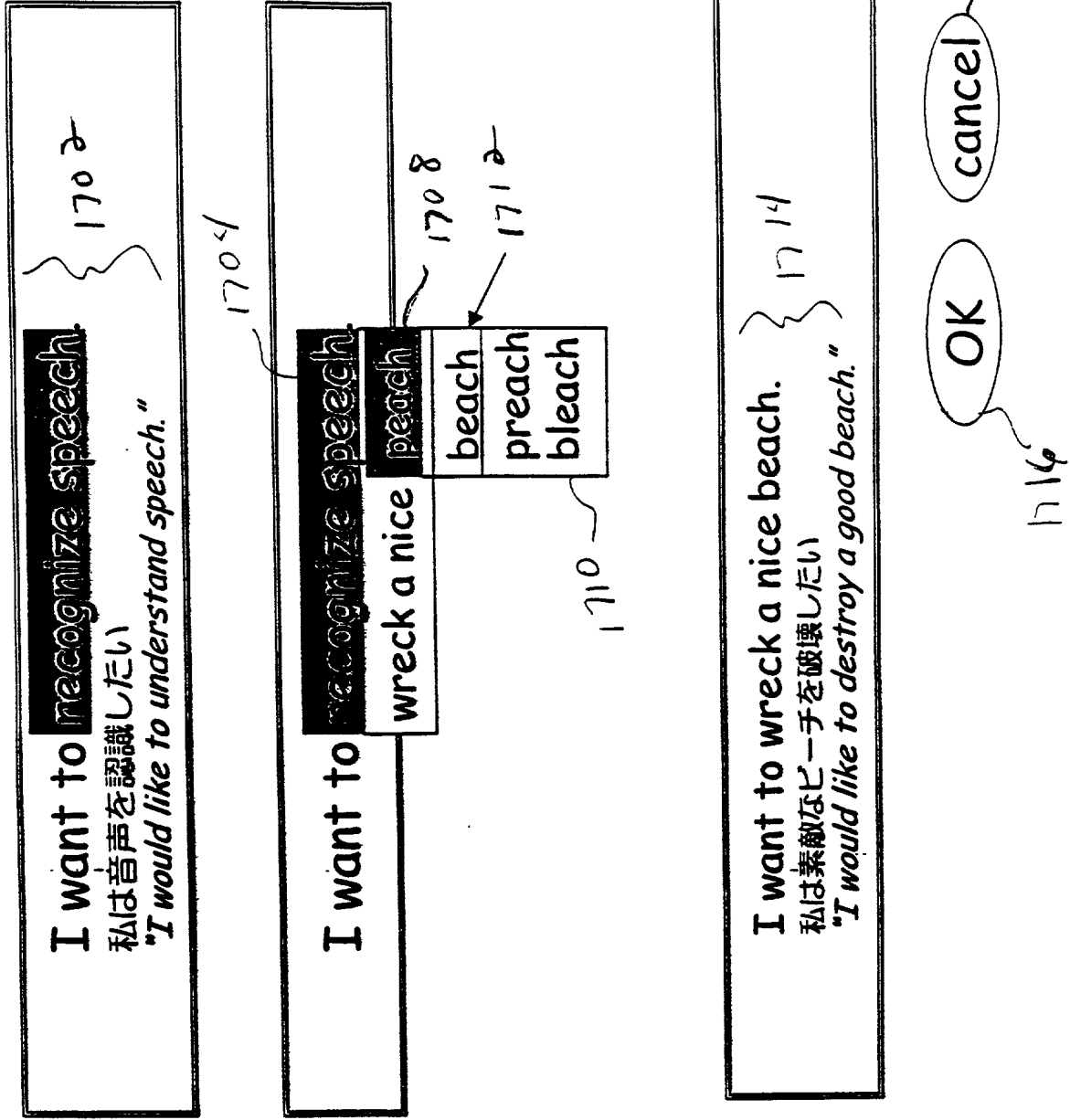
I want to wreck a nice beach.
私は素敵なビーチを破壊したい
"I would like to destroy a good beach."

1610

OK
cancel

1612
1614

Figure 17



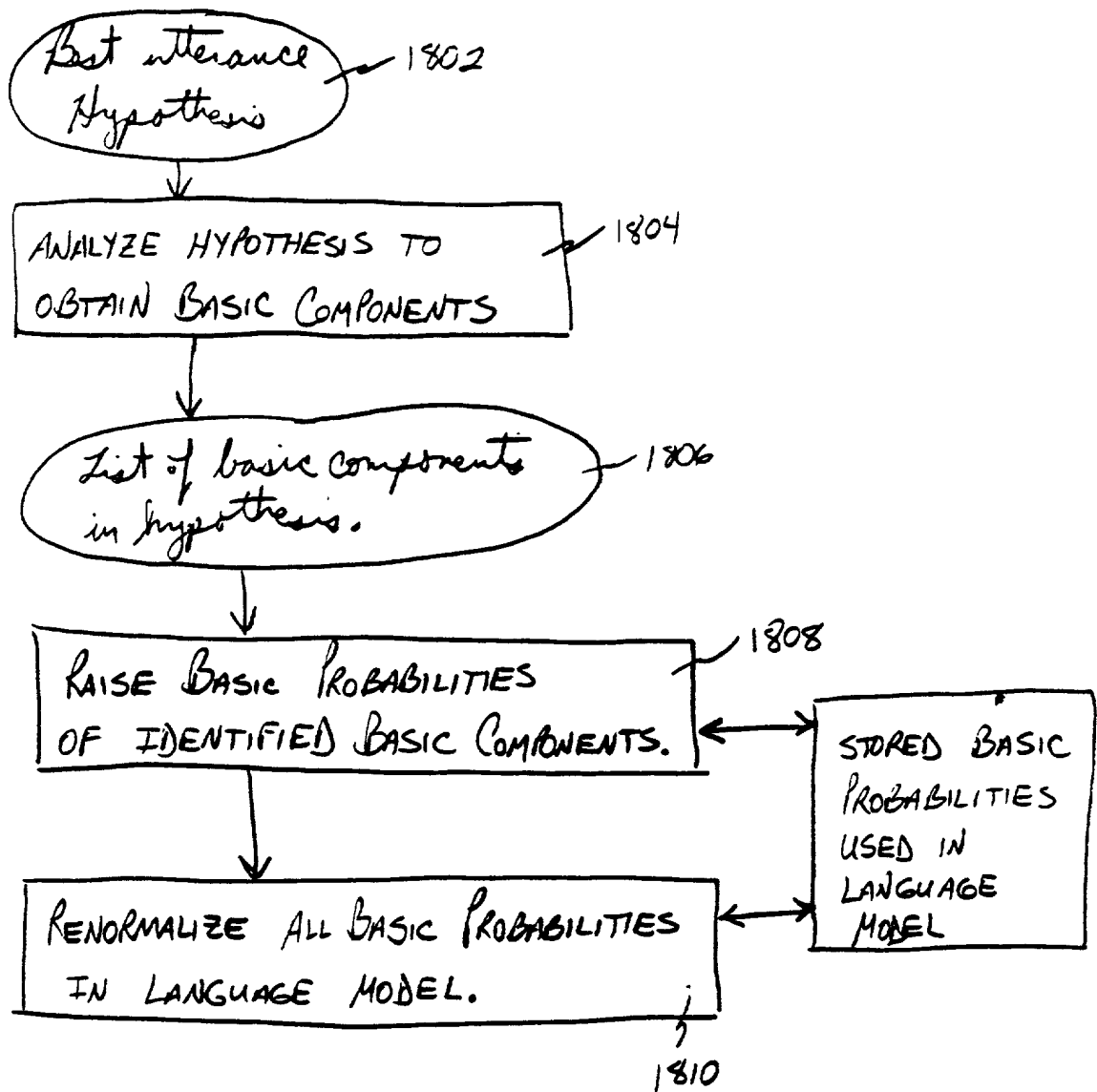


FIGURE 18

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
Male	55.2 (10.5)
Female	56.8 (11.2)
Marital status	
Married	78.5%
Single	12.3%
Divorced	8.2%
Widowed	1.0%
Education level	
High school or less	65.4%
College	34.6%
Income (USD/month)	
< 1000	25.3%
1000-2000	45.7%
> 2000	29.0%
Occupation	
Professional	32.1%
Managerial	18.5%
Technical	22.3%
Service	15.7%
Unemployed	11.4%
Health status	
Good	72.8%
Fair	18.9%
Poor	8.3%
Smoking status	
Smoker	28.5%
Non-smoker	71.5%
Alcohol consumption	
Regular	15.2%
Occasional	35.7%
Never	49.1%

FIGURE 19

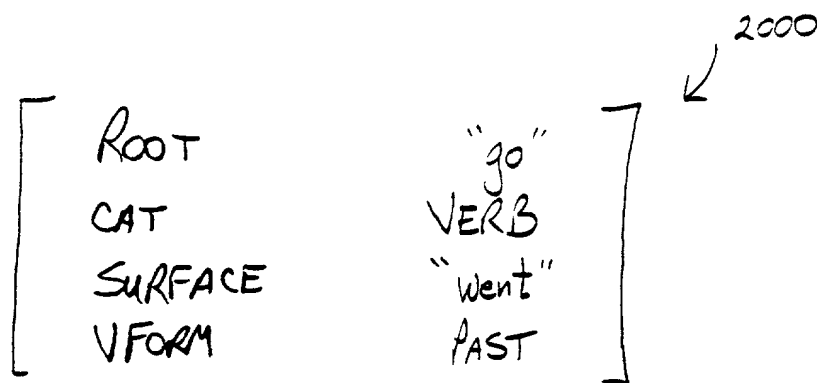


FIGURE 20

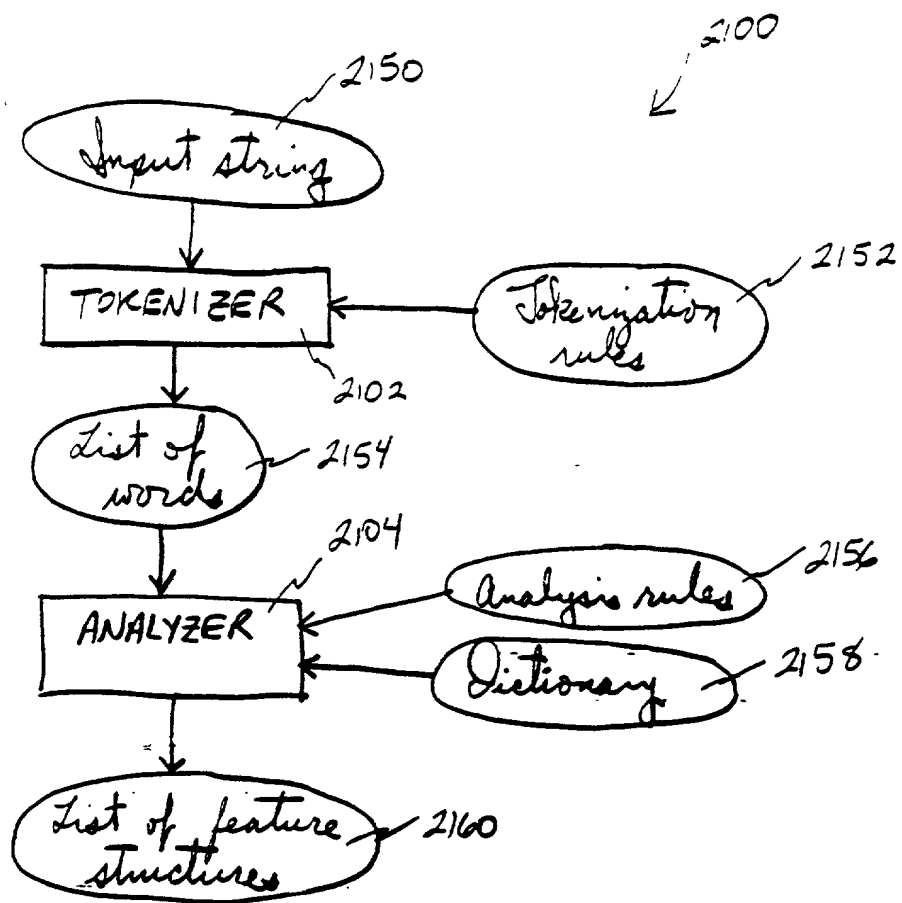


FIGURE 21

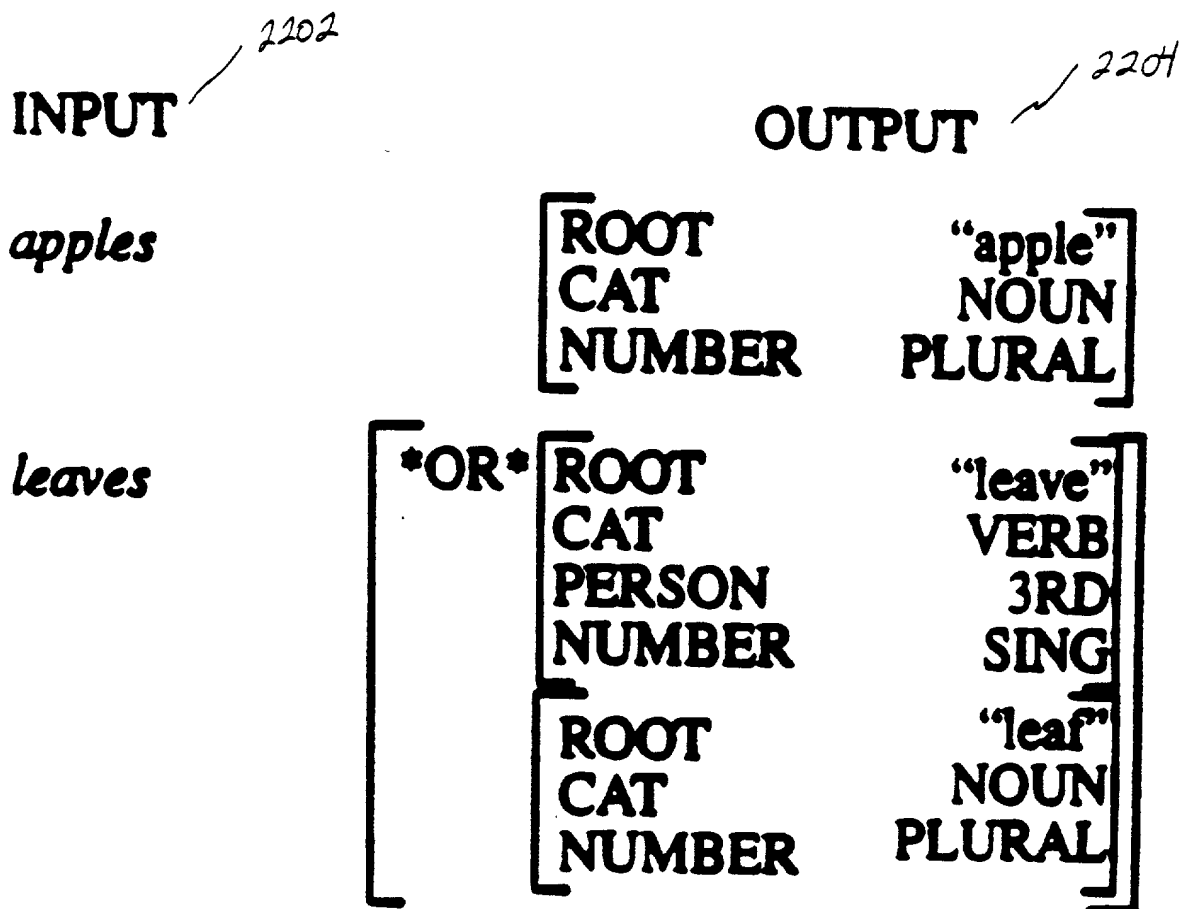


FIGURE 22

FOI b7D b7C b7E b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z

2302

Inflection Type	Feature to trigger Generator or for Analyzer to create
past-tense form of verbs	(VFORM PAST)
past participle form of verbs	(VFORM PAST-PART)
present participle form of verbs	(VFORM PRES-PART)
present-tense form of verbs	(VFORM PRES)
present-tense 1st-person singular form of verbs	(VFORM PRES)(PERSON 1)(NUM SING)
present-tense 3rd-person singular form of verbs	(VFORM PRES) (PERSON 3)(NUM SING)
past-tense 1st-person singular form of verbs	(VFORM PAST)(PERSON 1)(NUM SING)
past-tense 3rd-person singular form of verbs	(VFORM PAST)(PERSON 3)(NUM SING)
comparative form of adjectives/adverbs	(AFORM COMP)
superlative form of adjectives/adverbs	(AFORM SUPER)
adverbial form of adjectives	(ADVERBIAL +)
plural form of nouns	(NUM PLURAL)
genitive form of nouns	(CASE GEN)

FIGURE 23

2402

Feature-Value Pair	Inflection Rules Applicable	Examples	Notes
CONS-DBL +	present-participle (VERB), past-tense (VERB), past participle (VERB), comparative (ADJ/ADV), superlative (ADJ/ADV)	"running", "submitted", "bigger"	Double final consonant and apply appropriate default rule. If the final consonant is "k", change it into "ck" instead of "kk".
Y-TO-I +	past-tense (VERB), past-participle (VERB), present-tense 3rd-person singular (VERB), plural (NOUN), comparative (ADJ/ADV), superlative (ADJ/ADV)	"studied", "studies", "candies", "tidier", "tidiest"	Change the final "y" to "i" and apply appropriate default rule.
F-TO-V +	plural (NOUN)	"leaves", "thieves"	Change the final "f" to "v" and apply appropriate default rule.
FE-TO-VE +	plural (NOUN)	"knives", "wives"	Change the final "fe" to "ve" and apply appropriate default rule.
AD-INFL +	comparative (ADJ/ADV), superlative (ADJ/ADV)	"faster", "fastest"	Generate inflected forms only if this feature exists. Otherwise, use "more"/"most" instead.
NO-COMP-SUPER +	comparative (ADJ/ADV), superlative (ADJ/ADV)	"right", "wrong"	Do not form a comparative or superlative if this feature exists.
ADJ-TO-ADV +	adverbial (ADJ)	"kindly", "greatly"	Generate adverbial form only if this feature exists.
ZERO-PLURAL +	plural (NOUN)	"love"	Do not form a plural if this feature exists
ZERO-SING +	plural (NOUN)	"trousers"	Always treat the word as plural. Do not use a singular determiner, etc.

FIGURE 24

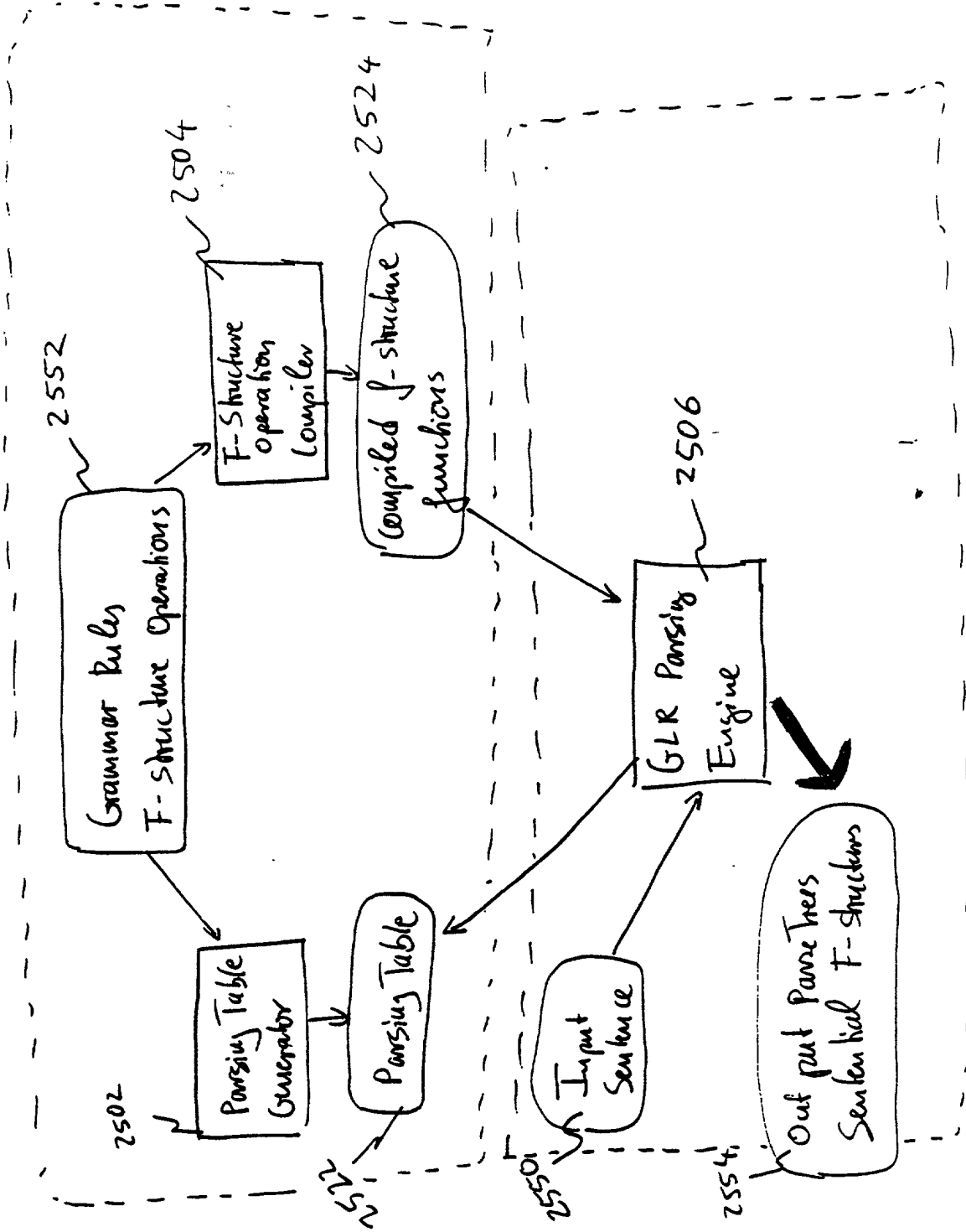


Figure 25

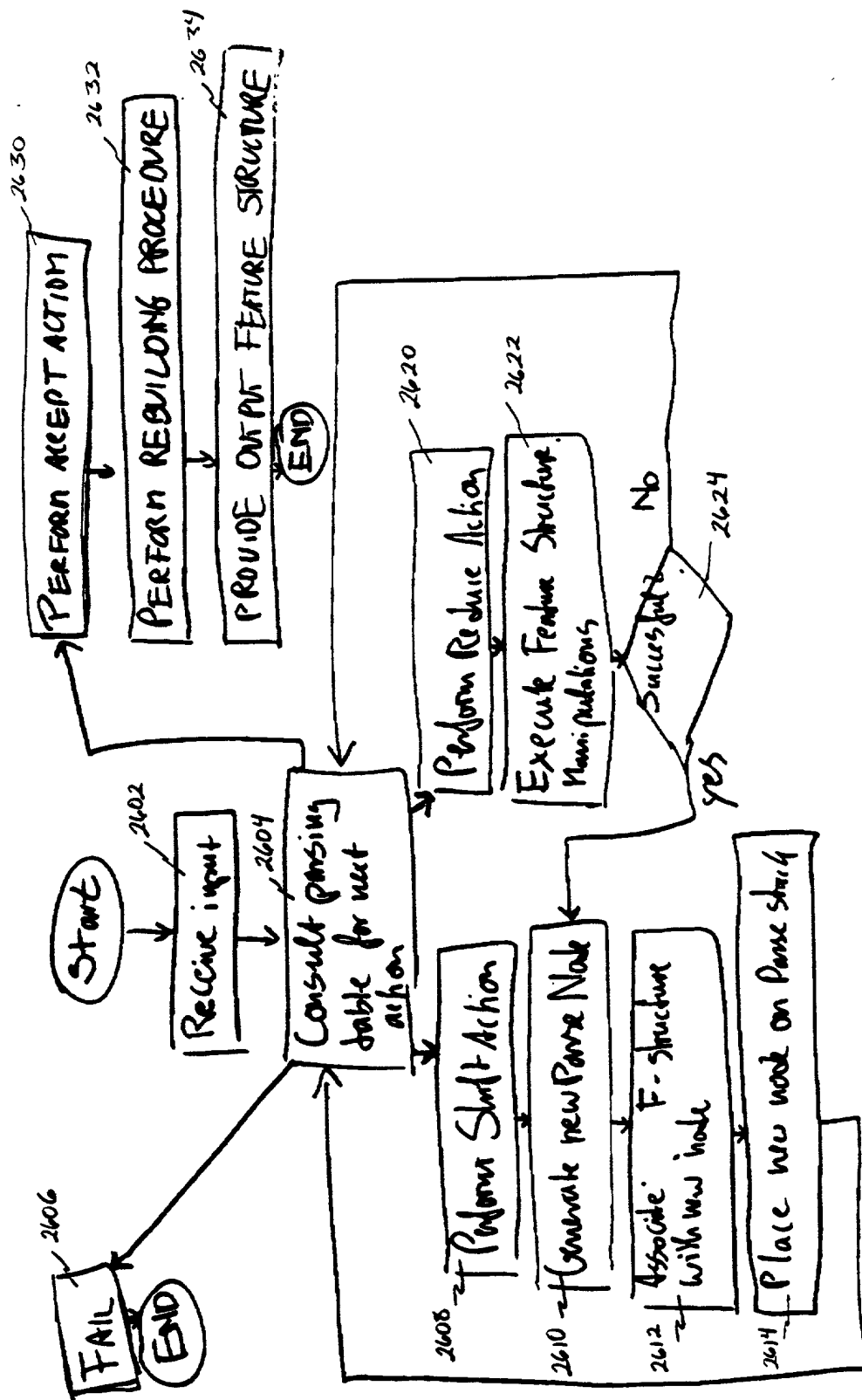


FIGURE 26

